Checklist for T-Boat Inspections

This checklist is designed to be used by the owner or operator to pre-inspect their vessel prior to arrival of a Coast Guard Marine Inspector.

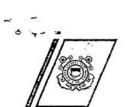
This checklist is not all inclusive. Additional information regarding each item can be found by referencing the applicable regulation. The owner and operator of a vessel is responsible for being familiar with the regulations pertaining to that vessel. This checklist is meant to be used as a guide only, is not intended to be used as the sole reference for properly maintaining and operating a vessel.

Note: Vessels that carry more than 12 passengers on an international voyage, i.e. Mexico, must meet the requirements listed here in addition to applicable SOLAS regulations.

Inspection Item	Regulation
Documents and Administration	
Certificate of Documentation or State Certificate of Registration	46 CFR 67.01-5
Certificate of Inspection.(COI)	46 CFR 176.100
× Stability Letter	46 CFR 176.306
¥ Master's License	46 CFR 185.402
た FCC Radio's Operator's License	46 CFR 184.50
FCC Station License/ Radio Telephony Safety Certificate	47 CFR 80
	33 CFR 155.450
Waste Management Plan Required on vessels 40 feet in length or greater	33 CFR 151.57
Emergency Check-off List	46 CFR 185.510
Emergency Broadcast Placard	46 CFR 184.506
★ 46 CFR 166-199 (Subchapter "T")	CID Policy 2-92
Compass Deviation Card	33 CFR 164.35(c)
Drug Testing Program Must have proof of pre-testing for all crew members and random testing of at least 50% of the crew each year. Proper selection method for random tests.	46 CFR 16.230
Crew training must be conducted and logged once every three months.	46 CFR 185.420
Current Charts of Operating Area, Coast Pilof, Light List, Local Notices to Mariners, Rules of the Road and Tide Tables	46 CFR 184.420
Lifesaving Equipment	
Lifejackets Vessel name stenciled on jacket. Reflective tape on both sides of jacket. Lights on jackets for vessels with coastwise or oceans route (check battery expiration date). Stowage location correctly marked. Proper number as indicated on COI.	46 CFR 80.71-78
Lifefloat/Buoyant Apparatus Ensure weak link is of correct breaking strength. Vessel name stenciled on craft.	46 CFR 180.130-17
Ring Buoy At least one ring must be fitted with a lifeline and waterlight (check battery expiration date).	46 CFR 180.70

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➤ Distress Signals	
Correct number for route. Stored appropriately.	46 CFR 180.68
<u>→</u> EPIRB	
Route heyond 3 miles - 406 MHz installed to automatically float free and activate.	· 46 CFR 180.64
Navigation and Radio Equipment	
✓ Navigation Lights	46 CFR 183.420
> Navigation / Radio Equipment	•
Conduct operational tests of the following equipment	
-Radios -Compass .	
-Radar -Bell	
-Fathometer -Horn	
-LORAN/GPS -Required Day Shapes	46 CFR 184.402-420
Firefighting Equipment	
Portable Fire Extinguishers	
Properly maintained and stored.	46 CFR 181.500
Fixed Fire Extinguisher System	
Serviced annually,	
(Vessels with wood or FRP hulls must have fixed firefighting by March 11, 1999).	46 CFR 181.400-450
> Fire Main System	
Check condition of pumps, hoses, norries, and piping system.	46 CFR 181,300-320
_ ≽ Additional Equipment	
Fire axe for vessels over 65 feet.	
Fire buckets.	46 CFR 181.600-610
Engine Room Inspection	
Emergency Fuel Shutoffs	
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Properly labeled. Test for proper operation.	46 CFR 182.455
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Properly labeled. Test for proper operation. >> Batteries	
Properly labeled. Test for proper operation. Batteries A founted correctly, properly ventilated, proper type connections.	46 CFR 183.350-352
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Properly labeled. Test for proper operation. ** Batteries ** Alounted correctly, properly ventilated, proper type connections. ** Engines ** Two independent means of control. ** All hoses double clamped. ** Pressure Vessels ** Test pressure relief valves. Open for internal inspection or hydro test to 1.25 of MAIP every 3 years.	46 CFR 183.350-352 46 CFR 182.410-430 46 CFR 184.620 46 CFR 182.330
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Properly labeled. Test for proper operation. Batteries	46 CFR 183.350-352 46 CFR 182.410-430 46 CFR 184.620 46 CFR 182.330 46 CFR 176.812 46 CFR 183.200-340
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xterior Inspection	not so	,	٠,
Watertight hatches and doors A hatch cover must be attached to hatch frame or coaming by hinges or captive cha Gasket and securing mechanism in good condition.	in,	46 CFR 1 46 CFR 1	
Windows Must be weather tight with no cracks or holes.		46 ÇFR 1	79.360
➤ Fuel Tank Vents 30x30 mesh screen installed.		46 CFR 1	82.450
rydock Inspection		46 CFR 1	76.600-
Ensure Hull exterior is clean, but not freshly painted. Open all interior spaces and ventilate.			
Ensure bilges are clean and dry.		•	
All through hull valves must be opened.			٠,
Remove all screens/strainers from exterior of hull,			



MUTRUTH SMALL PASSENGER VESSEL - T

MSD Santa Barbara

Annual	Drydock	COI
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Vessel Name:		ON:MISLE Activity	y:
Date: Local	tion:	Inspector:	
		Operator TWIC Phone:	
E-mail_	MMSI:	My My Year Comp My	1 DAI - DO: 1
Build Date: Max PAX: Route: O=Oceans C=Coast	wise	i: Yes No HULL, FRP Wood ited Coastwise LBS= Lakes, Bays, So	
	Note: All cites are	46 CFR" unless otherwise noted.	
Administration:		Lifesaving:	[]
Application for Inspection (CG-3752)	176.105/176.400	Primary L/S: ☐ L/F ☐ B/A ☐ IBA ☐ L/R	180.200
Certificate of Documentation	☐ 67.7/67.9c	Number & Capacity:	180.200 to .208
Permanent O.N. on interior member (67.12)		Stowage & Markings	180.130/185.604
State Registration	33/173.15	Inflatable survival craft placard	185.518
Operator's Licnse/Tonnage/Route/Date	185.402/15.805	Life Preservers:	□ 400 = 4
Stability Ltr. #pax Route DE DPP DP (posted near Operating station)	176.306	#Adults #Child	180.71
(possed near Operating station) COI Posted (all pgs)	□ 176,302	Lights (O/C)	180.75 180.78
Oil Discharge / MARPOL Placards (>26ft)	33/155.450/151.59	Stowage & Markings	185.516
Waste Management Plan (>40ft)	33/151.57	Lifejacket Donning Placard Ensure Placard matches LJ onboard.	L 103,310
Drug Testing Program:	16.260	Ring Buoys:	
Policy available for review: Yes No		#w/light(s) #w/ line(s)	180.70
FCC Sta. License / Sfty. Cert. / Op Permit	47/Part 13	Lanyard w/ detachable clip	180.70.d.3
Verify Call sign on sta. lic. vs. Safety Cert.) Safety Cert Ex		Retro-reflective Tape	185.604
Drills Logged (EPIRB test/MOB/FF)	185.728/.520/.524	Distress Signals (bright W/T container market	
Emergency Instruction List (vessel specific/Posted)	185.510	First Aid Kit (contents per 160.041/Q spec)	184.710/160.04
First Aid Training / CPR Cards (recommended)	☐ NVIC 1-91	Sound device: Hom/Bell (>39.4)	COLREG/33/8
SPV Decal Posted (Vis. to PAX @ embark.)	176.310	EPIRB 406 Battery Hydro NOAA Reg.	180.64/185.728/.7
Deckhand Qualifications	☐ NVIC 1-91	EPIRB test:	-
Discussed Marine Casualty reporting reqs.	4.05	ID# Dat	te
* (CG-2692)		Rescue Boat (>65 feet)	☐ 180.210
Navigation / Radios:	Spanie	Emergency Preparedness:	
Mag. Compass w/ light (O/C/LC):	184.402	Drills Witnessed by MI: FF MOB	Steering
Radar $(O/C/LC, > 49 pax)$	184.404	Voyage Plan (O/C or overnight / where filed?)	185.503
Electronic Position Fixing Device (O)	184.410	Passenger Count (if plan not req. / Available?)	
Navigation Lights (>65' UL1104)	183.420	Passenger Safety Orientation	185.506
Pubs & Charts	184.420	Station Bill (> 4 crew, 65 feet)	185.514
VHF Radio (>1000' from shore < 20 NM)	47 CFR 80.905		
Single Side Band	☐ 47 CFR 80	Accommodations:	
NAVTEX (> 100 NM) Emergency Broadcast Placard	T 104 506	Berthing	177.810
Emergency Dioadcast Flacard	184.506	Seating	177.820
Stageings	· · · · · · · · · · · · · · · · · · ·	Public Address System	184.610
Steering:	T 100 (10	Heating & Cooking	184.200
Main Steering (Linkage/packing)	182.610	Means of Escape (Marked & Clear)	177.500
Auxiliary Steering / Tiller Steering Test / Tiller	☐ 182.620 ☐ 176.814	Upper Deck Pax Limit marking (per. Stab. ltr.)	L-mared.
If not multiple screw or duplicate system	□ 1/0.014	Windows / Glass	177.1010/.1020
1) not muniple sciew or aupucate system		General Alarm (Overnight accommodations only)	Account to the second s
Comments / Deficiencies explaine	ed:	Cooking / Heating (B-15 boundary installed)	177.410.c.1
Zamentie / Denoithere explain			
			·····

Firefighting:		Drydock / ISE:
Portable Extinguishers	181.500	Hull Material: FRP Steel Alum Wood Wood w/ Overlay
Service Hydro¹ sat / unsat	☐ NFPA 10	External Structural Integrity 176.610
Fixed Gas Fire System	181.410/ 420	Hull Markings 185.602
Auto power ventilation / Engine Shutdown	181.410/420	Name of Vessel / Hailing Port 67.123
Audible / Visual Alarm	181.410/ 420	Draft Marks / Loading Mark (> 65'/SOLAS) 185.602(c)
Remote & Manual Activation	181.410/ 420	(Vessel > 65' or > one deck above Main Deck)
Instructions at controls & In Space	185.612	Propeller(s) # 176.610
Service Hydro¹ sat / unsat	176.810,147.65	Shaft(s) (Drawn: Yes / No) 176.670
Fire Pump (> 49 Pax, > 65 feet, ferry)	181.300	Rudder(s) (Drawn: Yes / No) 176.610
Fire Hose	181.320	Bearing(s) (Replaced: Yes / No) <50% wear 176.610
Fire Axe (> 65 feet @ Operating Station)	181.600	Hull Penetrations below waterline (valves) 179.350(c)
Fire Bucket (< 65 feet 3)	181.610	☐ P-ME ☐ S-ME
5 Years I-Ialon 12 Years DC 12 Years		☐ M-ME
		Fire pump Bilge pump
Electrical:		Bait Tank Bait pump P-GENSET S-GENSET
Grounding	183.370	MISC. MISC.
Batteries trays, connections, ventilation	183.350	Hull Penetrations, 6" above waterline 179.350
Lighting Emergency / Portable	183.430/32	Internal Structural Integrity 176.610(b)
Generators & Motors	183.320	Frames Floors
Radio(s) fused at Main Panel	183.392	Shelves, brackets, clamps Tank tops
Cable & Wiring	183.340	Collision Bulkhead (> 65', >49 Pax) 179.310
Power / Lighting 14+ AWG		Watertight Bulkhead(s) (> 65', >49 Pax) 179.320
Control Indicator 22+ AWG		Bilge Piping system / pumps
UL Boat or Marine Cable		Bilge High Level Alarms (26') 182.530
Equipment in Hazardous Areas	183.530	House Structural Integrity 177.300
(Gasoline engines, tanks / Paint Lockers)	T 402 220	Deck Rail 177.900
Distribution Panels / Switchboard	183.330	Scuppers / Freeing Ports
Equipment / Circuits marked	183.220	
M. d.:		Wood Huli
Machinery:	—	Keel Bolts NVIC 7-95
Propulsion Engines	182.200	Fasteners Pulled NVIC 7-95
Dual Controls: MDE Speed, Direction, Shutdown	T 100 (100)	Port / Locations STBD / Location
Gauges (At Helm: RPM, Temp, Oil Press)	182.410(b)	1. 1.
Cooling System	182.420	2. 2.
Fuel System Remote Shutoff Valves	182.435	3. 3.
	182.455(b)(4)	
Valve Markings	185.608 182.720	4. 4.
Flexible hose IAW SAE J-1942 Strainer, Drip Pans, Screens	182.455(b)(6)	- 5. 5.
Fuel Vents / Tank Bonding		6.
	182.440(b)(4) 182.425 /430	7. 7.
Exhaust System		8. 8.
Fire Dampers Marine Sanitation Device	☐ 182.465(h) ☐ 184.704	
Oil Pollution Prevention	33CFR151/155	Dry dock References: NVICs: 7-53 Steel , 7-95 Wood , 11-80 Aluminum , 8-87 FRP
Pressure Vessels (Every 3 Years >5 cubic feet)	176.812/61.10	Dry aoth Regerences: 10 V 1C3: 7-33 Steel, 7-33 Wood, 11-80 Adminism, 8-87 FRP
P/V Relief Valve:		N
	T 5415 5650 00	Notes:
Set:psipsipsi Set:psipsipsi	54.15, 56.50-20	
DI		
Deck:	T	
Ground Tackle / Mooring	184.300	**************************************
Deck Railing	177.900	
Watertight Integrity	179.360	
Structural Integrity	177.300	
Hull Marking	—	•
Draft / Loading Marks	185.602	
Name / Hailing Port	67.120-123	
Scuppers / Freeing Ports	1 1 176 610	
	176.610	
	□ 170.010	
	170.010	

United States Coast Guard Checklist for T-boat Inspection

- I. Provide the following documents, certificates, and equipment for inspection:
 - a. Certificate of Documentation or state certificate of registration (46 CFR 67-01.5)
 - This Certificate of Documentation should have a current stamp issued by a Coast Guard documentation office. A vessel with state numbers must have a valid state certificate of registration, with numbers properly affixed to the hull.
 - Owner's address should match address on the Certificate of Inspection.
 - b. Certificate of Inspection and any amendments (46 CFR 176.01)
 - c. Operator's license (46 CFR 185.10)
 - d. FCC Certificate, if required (46 CFR 184.25)
 - e. U.S. Coast Guard Stability Letter, if issued (46 CFR 185.12)
 - f. Current rules of the road and charts for vessel's operating area (46 CFR 185.20-35)
 - g. 46 CFR Subchapter T (Parts 175-187) is recommended
 - h. Emergency check-off list (46 CFR 185.25-1)
- II. Open all interior spaces, including forward of collision bulkhead and ventilate all spaces (46 CFR 176.25-5).
- III. Have all bilges clean and dry (46 CFR 176.05-10).
- IV. Pre-inspect the following equipment:
 - a. Lifejackets (46 CFR 180.25-1)
 - Squeeze kapok bags to determine if kapok has become waterlogged. Plastic bags around kapok do not have to be airtight, but airtight bags will reduce the chances of the kapok becoming water logged.
 - Name of vessel marked on jacket (46 CFR 180.25-15)
 - Reflective tape on both sides of jackets (46 CFR 180.25-25)
 - 4. Check all straps and buckles to ensure their good condition
 - Coast Guard-approved water light must have batteries marked with date of manufacture and expiration date (46 CFR 180.25-20)
 - Check number of lifejackets required on COI (46 CFR 180.25.5)
 - 7. Stack lifejackets for easy inspection
 - b. Distress Signals
 - 1. Flares 6 red and 6 orange, or 12 combination are required, stowed in a portable watertight container (46 CFR 180.35)

- 2. Signal whistle and bell for vessels greater than 39.4 feet (Navigation rules rule 33)
- 3. Efficient sound device for vessels less than 39.4 feet (Navigation rules rule 33)
- Day shapes for anchoring (Navigation rules rule 30)
- c. Navigation lights conduct operational test
- d. Steering shift rudder for all operating stations, including emergency steering (46 CFR 182.30-5 and 185.20-10)
- e. Fuel shut-off valves mark with 1-inch letters, indicating purpose of valve and arrow showing direction of operation (46 CFR 185.30-20)
- f. Magnetic compass (46 CFR 184.20)
- g. Anchor and associated gear (46 CFR 184.20)
- h. Markings—Name on stern and homeport/hailing port (46 CFR 67.13, 676.15 and 185.30-1)
- i. Ring Buoy not less than 24 inches, watertight and 60 feet of line (46 CFR 180.30). Vessels less than 26 feet in length may use a ring buoy not less than 20 inches in diameter.
- j. Life float/buoyant apparatus, watertight and float free link (46 CFR 180.10 and 180.20)
- k. Class C EPIRB required on vessels with Great Lakes route — battery must be current (46 CFR 185.30.30 and 180.40)
- Nonmetallic flexible fuel hoses acceptable by Coast Guard for intended service (46 CFR 182.20-40)
- m. Fire extinguishers (46 CFR 181.30-1(a))
 - CO₂ check hydrostatic test date on neck of bottle (good for 12 years), along with hoses and seals to ensure their good condition.
 - Dry Chemical check gauge and hose. Turn
 extinguisher upside down to ensure powder
 inside is free and not packed hard. Extinguishers with stainless steel shells require a hydrostatic testing every 12 years.
 - Halon must be inspected and approved by local OCMI for fixed system.
 - Extinguishers to be weighed and/or serviced within the last 12 months.
- n. Both fixed and hand fire pump (46 CFR 181.10/ 181.10-5)
 - Insure controls and valves to fixed pump operate properly
 - 2. Test fire station, inspect hose, and insure nozzle is in place

T-BOAT INSPECTION CHECKLIST, page 10

T-BOAT INSPECTION CHECKLIST, from page 9

- Ensure hand fire pump is equipped with suction and discharge hose suitable for use in fire fighting
- Watertight/weathertight hatches (46 CFR 171.124)
 - Each hatch or opening penetrating the main deck must be watertight unless it has a 12-inch coaming.
 - Check watertightness of hatch, using a garden hose with 30 psi minimum pressure. Hatch is watertight if only minor seepage occurs.
 - Ensure all hatches are fitted with securing devices in addition to the captive chain or wire;
 i.e., toggles on hatches.
- V. Conduct operational checks of the following equipment:
 - a. Radios
 - b. Radar, fathometer, LORAN
 - c. Propulsion engines
 - d. Generators (46 CFR 182.25)
 - e. Bilge pumps
 - f. Pressure vessel (air receiver) relief valves
- VI. Pressure vessels must be opened for examination or hydroed to 1-1/4 times their MAWP triennially.
- VII. Rails and guards should be checked to ensure they are properly secured and are of height for primary service of vessel (46 CFR 177.36-1).
- VIII. At the beginning of the inspection, notify the inspector of any of the following:
 - a. Changes in machinery
 - b. Changes in navigation equipment (plus new make, model, and serial number)

- c. Repairs to vessel
- d. Changes in owner/operator
- e. Problems or known deficiencies of vessel
- IX. Drydock inspection: If the vessel operates solely in fresh water, drydocking is required after 60 months (5 years). If the vessel is operated fewer than 6 months in each 12-month period, the vessel must be drydocked after 36 months. Extensions to scheduled drydock inspections may be granted on a case-by-case basis. All requests must be submitted in writing at least 30 days in advance.
- If a drydock inspection will be conducted (46 CFR 176.15)
 - a.Ensure hull (exterior) is clean, but not freshly painted. b.Open all interior spaces and ventilate.
 - c. Ensure bilges are clean and dry
 - d. All skin valves shall be open for inspection, including check valves.
 - e.Remove all screens/strainers from exterior of hull
 - f. Wooden vessels over ten years old should be prepared to pull fastenings, as directed by the inspector. Keep in mind that the vessel operator is responsible for ensuring that a vessel is in compliance with the regulations at all times, not just prior to or during a scheduled Coast Guard inspection.

This checklist was prepared by personnel from the Coast Guard Marine Safety Office, Buffalo, New York, as part of the MSO Newsletter of 25 December 1990. To comment or to be placed on the mailing list for future copies of the MSO mailing list, write to: U.S. Coast Guard, Marine Safety Office, Federal Building, Room 1111, 111 West Huron Street, Buffalo, NY 14202-2395.

Insurance News from Marsh & McLennan

Editor's Note: At the board of directors meeting held in January, 1990, Marsh & McLennan, Inc., and The St. Paul Companies, Inc., received the continued endorsement as NAPVO's insurance broker and provider, respectively. Marsh & McLennan, Inc., plans to contribute regular articles to the Foghorn, beginning with the this issue.

To: NAPVO Members

From: Smith McGehee, Senior Vice President, Marsh & McLennan, Inc.

Subject: News From NAPVO Insurance Center

Marsh & McLennan, Inc., (MMI) and The St. Paul Companies, Inc., are excited to have received continued endorsement by the NAPVO insurance program committee. There are many changes planned for the insurance program, and they are all designed to give further benefits to the Association and its members. A few of the changes currently in process are:

- revised policy form
- · continued competitive pricing of products

- dedicated claims service operation
- · dedicated loss control service
- · increased participation in regional activities
- continued profit sharing agreement
- royalty agreement with the Association
- timely turn-around on policy issuance, invoicing, certificates, claim handling, and other day-to-day servicing
- The St. Paul Companies, Inc. Corporate Systems MMI will develop a network for claims tracking
- · newsworthy articles in every issue of Foghorn
- increase in NAPVO membership by coordinated effort to identify qualified passenger vessel owners.

To fulfill its commitments, MMI will employ highly-skilled professionals in the NAPVO Insurance Center, who will, over the next four to six months, make personal contact with NAPVO members — and when possible, attempt to visit thempersonally — to discuss the benefits of these new program features.